Figure 1

MODEL EPITHELIAL CELL CULTURES

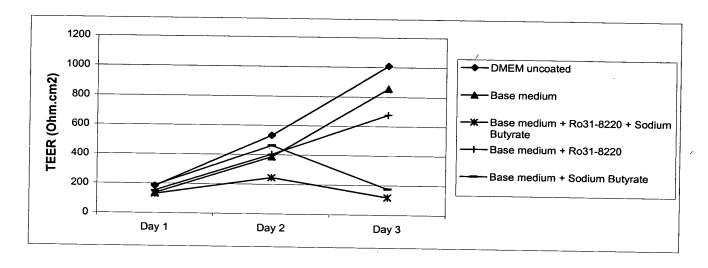


Figure 2

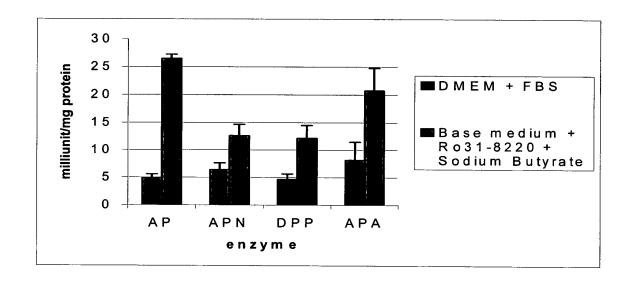


Figure 3

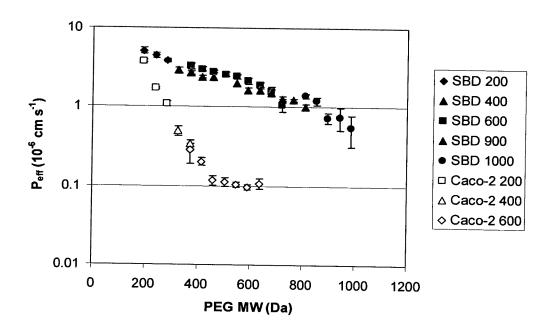


Figure 4

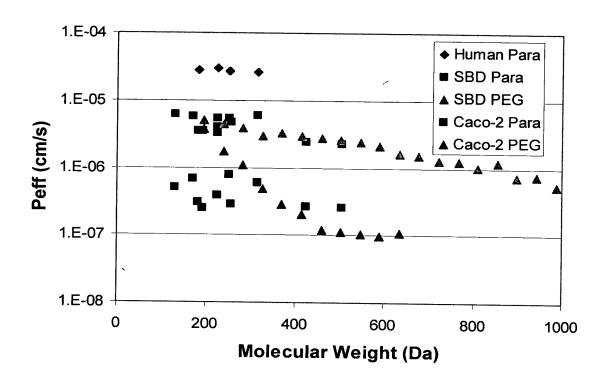


Figure 5

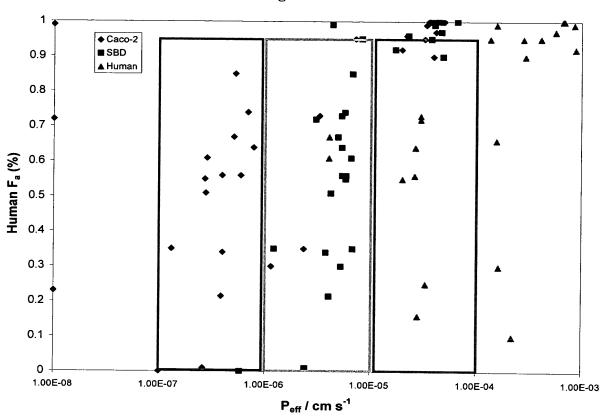


Figure 6

	STRUCTURE	INCREASE IN SURFACE AREA (relative to cylinder)	SURFACE AREA (sq cm)
Area of simple cylinder	280 cm	1	3300
Folds of Kerkring (valvulae conniventes)	Second Second	3	10,000
Villi		30	100,000
Microvilli	(panner	600	2,000,000

Figure 7

B:A/A:B Ratio for Efflux Substrates

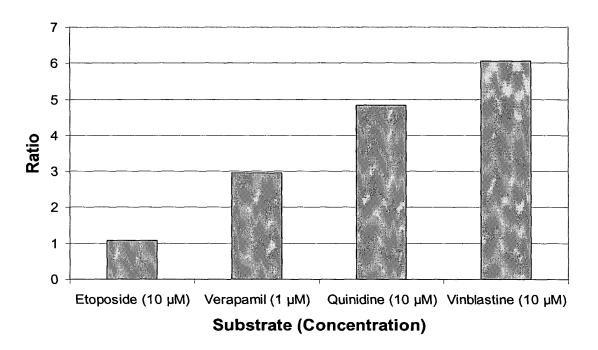


Figure 8

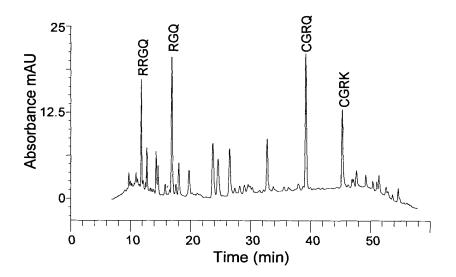


Figure 9

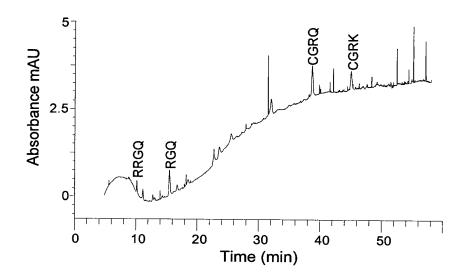


Figure 10

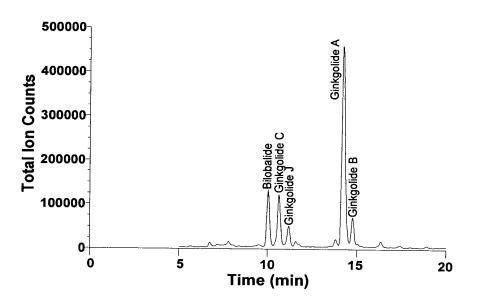


Figure 11

